Express Mail Label No: EJ25551416US

## 196 U.S. PTO 19/862855 18/11/11/11/11/11

## UTILITY PATENT APPLICATION TRANSMITTAL

Attorney Docket No.: S-94,652

First Inventor or Application Identifier: HongCai

Title: RAPID HAPLOTYPING BY MULTICOLOR SINGLE MOLECULE DETECTION

APPLICATION ELEMENTS	Box Patent Application ADDRESS TO: Assistant Commissioner for Patents Washington, DC 20231					
1.   * Fee Transmittal Form (e.g. PTO/SB/17)  (submit an original and a duplicate for fee processing)	6. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program ( <i>Appendix</i> )					
Applicant claims small entity status.     See 37 CFR 1.27.      Specification [ Total Pages 40]	7. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a.   Computer Readable Copy					
<ul> <li>☑ Descriptive title of the Invention</li> <li>☑ Cross References to Related Applications</li> <li>☑ Statement Regarding Fed sponsored R&amp;D</li> </ul>	b. Specification Sequence Listing on:     i. ☐ CD-ROM or CD-R (2 copies): or     ii. ☒ paper     c. ☒ Statement verifying identity of above copies					
Reference to sequence listing, a table or a computer program listing appendix	ACCOMPANYING APPLICATION PARTS					
Background of the Invention     Brief Description of the Drawings (if filed)	8. Assignment Papers (cover sheet & documentation)					
<ul><li>☑ Detailed Description</li><li>☑ Claim(s)</li></ul>	9. 37 C.F.R.§3.73(b) Statement Power of (when there is an assignee) Attorney					
<ul> <li>✓ Abstract of the Disclosure</li> <li>✓ Drawings(s) (35 U.S.C.113)[Total Sheets4]</li> </ul>	10. ☐ Information Disclosure ☐ Copies of IDS Statement (IDS)/PTO-1449 Citations					
⊠ Formal ☐ Informal	11.  Preliminary Amendment					
5. Declaration & Power of Attorney  [Total Pages2]	12.  Return Receipt Postcard (MPEP 503)  (should be specifically itemized)					
a. Newly executed (original or copy)  b. Copy from a prior application (37 c.F.R§.63(d))	13. Certified Copy of Priority Document(s)  (if foreign priority is claimed)					
(for continuation/divisional with Box 16 completed)  c. ☐ DELETION OF INVENTOR(S)	14. ☐ Request and Certification Under 35 U.S.C.					
Signed statement attached deleting inventor(s) named in the prior application,	122(b)(2)(b)(l) 15.  □ Other:					
see 37 C.F.R. §§ 1.63(d)(2) and 1.33 (b).	c, and supply the requisite information below and in a preliminary amendment:					
	part (CIP) of prior application S.N/					
Prior application information: Examiner	Group/Art Unit:					
For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.						
16. CORRESPONDENCE ADDRESS						
Name: Ray G. Wilson						
Address: Los Alamos National Laboratory LC/BPL, MS D412						
City: L s Alamos State: New Mexico Zip Code 87545						
Country United Stat s Telephone: (505)665-3112 Fax: (505) 665-3100						
Name (Print/Type)//Ray G. Wilson Registration No. (Attorney/Agent): 28,351						
Signature:	Date: M					
Oignature, /- /- / / / / / / / / / / / / / / / /	I Date. TYI					

## FEE TRANSMITTAL For FY 2001 Patent fees are subject to annual revision

Complete if Known				
Application Number:				
Filing Date:				
First Named Inventor:	Hong Cai			
Examiner Name:				
Group/Art Unit:				
Attorney Docket No.:	S-94 652			

	CXAITIIIIE					
	Group/A			C 04 652		
	Attorney	Attorney Docket No.: S-94,652				
METHOD OF PAYMENT		FEE CALCULATION (continued)				
The commissioner is hereby authorized to charge indicated fees and credit any over payments to:     Deposit Account Number: 12-2150     Deposit Account Name: Los Alamos National Laborato     Charge Any Additional Fee Required Under 37 C.F.R. 1.16 and 1.17	Large Entity Fee	TIONAL F Small Entity Fee	Fee Desc	•	Fee Paid	
Applicant claims small entity status.	\$130	\$65	Surcharge	e – late filing fee or oath		
See 37 CFR 1.27	\$50	\$25	Surcharge	e – late provisional filing fee or cover	sheet	
FEE CALCULATION	\$2,520	\$2,520	For filing a	a request for reexamination		
	\$110	\$55	Extension	for reply within first month		
1. BASIC FILING FEE	\$390	\$195	Extension for reply within second month			
Large Entity Small Entity	\$890	\$445	Extension	for reply within third month		
Fee Fee Fee Description Fee Pai \$710 \$355 Utility filing fee \$355.0	1 64 300	\$695	Extension	for reply within fourth month		
\$710 \$355 Utility filing fee \$355.0 \$710 \$355 Reissue filing fee	\$1,890	\$945	Extension	Extension for reply within fifth month		
\$150 \$75 Provisional filing fee	\$310	\$155	Notice of Appeal			
SUBTOTAL (1) \$355.0	<b>0</b> \$310	\$155	Filing a br	ief in support of an appeal		
` '	\$270	\$135	Request f	or oral hearing		
	\$110	\$55	Petition to	revive – unavoidable		
	\$1,240	\$620	Petition to	revive – unintentional		
	\$130	\$130	Petitions t	to the Commissioner		
2. EXTRA CLAIM FEES		\$50	Petitions r	titions related to provisional applications		
Extra Fee from Fee Pa Claims Below	aid \$ 180	\$180	Submissio	on of Information Disclosure Stateme	ent	
Total Claims $101-20^{**} = 81 \times 9 = 72$ Independent $2-3^{**} = 0 \times 0 = 0$	9 \$710	\$355	Filing a su (37 CFR 1	ubmission after final rejection .129 (a))		
Claims Multiple Dependent 14 X 135 = 1,8	90 \$710	\$355		additional invention to be (37 CFR 1.129(b))		
** or number previously paid, if greater; For Reissues, see below Large Small	\$300	\$300		on fee for early, voluntary, publication		
Fee Fee Fee Description \$18 \$9 Claims in excess of 20		e (specify)				
\$80 \$40 Independent claims in excess of 3	Other te	e (specify)				
\$270 \$135 Multiple dependent claim, if not pa \$80 \$40 ** Reissue independent claims	id.		SUBTO	TAL (3)	\$0	
\$80 \$40 ** Reissue independent claims over original patent	Reduced	by Basic Filing	Fee Paid			
\$18 \$9 ** Reissue claims in excess of 20 and over original patent			SUBTO	TAL FROM 1 TAL FROM 2	\$355 \$2,619	
SUBTOTAL (2) \$2,619			SUBTO	TAL FROM 3	\$0	
			TOTAL	AMOUNT OF PAYMENT	\$2,974	
•	1					

SUBMITTED BY			Complete (if applicable)	
Printed Name: Ray 🕱. Wilson		Reg. No.	28,351	
Signature:	lay stulion	Date:	Telephone	(505)665-3112